Title (en)

DEVICE FOR REDUCING VIBRATIONS IN A HELICOPTER PILOT'S SEAT

Title (de)

VORRICHTUNG ZUR VIBRATIONSVERRINGERUNG AUF DEM PILOTENSITZ EINES HUBSCHRAUBERS

Title (fr)

DISPOSITIF RÉDUCTEUR DE VIBRATIONS AU NIVEAU DU SIÈGE DES PILOTES D'HÉLICOPTÈRES

Publication

EP 2502782 A4 20140108 (EN)

Application

EP 09851398 A 20091120

Priority

IB 2009055244 W 20091120

Abstract (en)

[origin: EP2502782A1] The present invention refers to a device to reduce the vibrations that are produced in the chairs of helicopter pilots due to the movement of the blades of such aircraft. Such device is based on a low weight and cost pneumatic system, that counteracts the vibrations suffered by the pilot, as it neutralizes the movement of the chair's structure making the vibration to be absorbed by a pneumatic ball and is not transmitted to the pilots body. Additionally, the device counts with a support structure coupled to a security mechanism and anchorage, which rests over the pneumatic bellows and vertically displaces over the security mechanism guides damping and isolating the vibrations produced by the aircraft's rotors.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [A] US 4634083 A 19870106 - MCKINNON GORDON M [CA]
- [A] US 2004089488 A1 20040513 - BREMNER RONALD DEAN [US]
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RU2597042C1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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